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This is a listing of unclassified AGARD publications NASA received and announced in the NASA abstract journal, *Scientific and Technical Aerospace Reports (STAR)*, during the quarter cited above. Reports on the list may be requested by U.S. AGARD Panel Members by accession number (e.g., N95-23496) from the NASA Center for AeroSpace Information, 800 Elkridge Landing Road, Linthicum Heights, MD 21090-2934. Requests may also be made by telephone (301) 621-0390, fax (301) 621-0134, or the Internet 'help@sti.nasa.gov.' Where stock permits, requests will be filled with printed copies; if printed copies are not available, microfiche copies will be supplied.

N95-23496# Advisory Group for Aerospace Research and Development, Neuilly-Sur-Seine (France). Structures and Materials Panel. **CORROSION DETECTION AND MANAGEMENT OF ADVANCED AIRFRAME MATERIALS [LA DETECTION DE LA CORROSION ET LA GESTION DES MATERIAUX AVANCES ENTRANT DANS LA CONSTRUCTION DES CELLULES]**
Jan. 1995 240 p In ENGLISH and FRENCH Presented at the 79th Meeting of the AGARD Structures and Materials Panel, Seville, Spain, 5-6 Oct. 1994 Original contains color illustrations (AGARD-CP-565; ISBN-92-836-1011-3; AD-A292357) Copyright Avail: CASI HC A11/MF A03

A Specialists' Meeting on Corrosion Detection and Management of Advanced Airframe Materials was held to present the current knowledge base of corrosion, degradation, detection and prevention and to identify the research and development issues which must be addressed in order to ensure long service life and low maintenance costs of NATO aircraft. The meeting concentrated on corrosion detection, test methodology for environmental assessment, mechanistic evaluation, corrosion prevention methods, and materials selection and design to prevent environmental degradation. For individual titles, see N95-23497 through N95-23519.

N95-23601# Advisory Group for Aerospace Research and Development, Neuilly-Sur-Seine (France). Guidance and Control Panel. **KNOWLEDGE-BASED GUIDANCE AND CONTROL FUNCTIONS [APPLICATION DES SYSTEMES EXPERTS POUR LE GUIDAGE ET LE PILOTAGE]**
Jan. 1995 183 p (AGARD-AR-325; ISBN-92-836-1009-1; AD-A292118) Copyright Avail: CASI HC A09/MF A02

This report summarizes the deliberations of Working Group 11 of the Guidance and Control Panel of AGARD. The objectives of the Working Group are: (1) analyze the structure of knowledge-based guidance and control functions related to aircraft, missions, and the battlefield and identify their potential for automation; (2) analyze the structure of knowledge-based guidance and control functions related to the life cycle of guidance and control systems, and identify their potential for automation; (3) review the state-of-the-art of those software and hardware oriented technologies required for the transfer of the knowledge-based G&C functions to automatic systems; (4) review existing programs; and (5) make recommendations for future work. Author

N95-23602# Advisory Group for Aeronautical Research and Development, Oxford (England). Structures and Materials Panel. **POD ASSESSMENT OF NDI PROCEDURES USING A ROUND ROBIN TEST [LES TESTS COMPARATIFS INTER-LABORATOIRES POUR L'EVALUATION DE LA PROBABILITE DE DETECTION (POD) DES PROCEDURES NDI]**
Jan. 1995 40 p (AGARD-R-809; ISBN-92-836-1010-5; AD-A292019) Copyright Avail: CASI HC A03/MF A01

Under the auspices of the AGARD Structures and Materials Panel R&D Cooperation Program, a round-robin NDI demonstration has been carried out. Six laboratories in four NATO countries participated in the project. The aim of the project was to determine the sensitivity and reliability of NDI procedures presently employed by the participating laboratories and to establish whether or not the procedures would be adequate for the implementation of a damage-tolerance based maintenance approach or whether improved methods are required. Author

N95-26334# Advisory Group for Aerospace Research and Development, Neuilly-Sur-Seine (France). Technical Information Panel. **DIRECTORY OF DEFENCE AND AEROSPACE INFORMATION CENTERS [ANNUAIRE DES CENTRES DE LAS DEFENSE ET DE L'AEROSPATIALE CIVILE]**
Mar. 1995 101 p (AGARD-R-802; ISBN-92-836-1015-6; AD-A293980) Copyright Avail: CASI HC A06/MF A02

The Directory of Defense and Aerospace Information Centers is a reference guide to information centers located in NATO nations. The information provided represents submissions from forty eight information centers across fourteen countries. The guide provides assistance in locating scientific and technical information resources from several countries' information centers. Points of contact are provided for each center. The directory includes information on: points of contact, subject coverage, description of major products and services, access limitations where applicable, e-mail addresses, and phone and fax numbers. An index to centers by organizational title is included for quick reference. Author

N95-26353# Advisory Group for Aerospace Research and Development, Neuilly-Sur-Seine (France). **AGARD MEMBERSHIP, 1995 [LES MEMBRES DE L'AGARD,**

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1995]

Mar. 1995 76 p
(AGARD-MEMB-95) Copyright Avail: CASI HC A05/MF A01

This publication contains lists of members of the National Delegates Board of AGARD; the Steering Committee; AGARD national coordinators; technical panels; the Technical Information Committee; and the Aerospace Applications Studies Committee as of 1 Feb. 1995. It also contains a list of the staff of AGARD headquarters. Each list is separated by participating country and contains address, phone number, and fax number with each name.

Derived from text

N95-27504# Advisory Group for Aerospace Research and Development, Neuilly-Sur-Seine (France). Structures and Materials Panel.
COMPOSITE REPAIR OF MILITARY AIRCRAFT STRUCTURES [LA REPARATION COMPOSITE DES STRUCTURES D'AVIONS MILITAIRES]

Jan. 1995 290 p In ENGLISH and FRENCH The 79th meeting was held in Seville, Spain, 3-5 Oct. 1994 Original contains color illustrations

(AGARD-CP-550; ISBN-92-836-0010-X; AD-A293056) Copyright Avail: CASI HC A13/MF A03

The AGARD Structures and Materials Panel held a Specialists' Meeting to address composite repair of military aircraft. The meeting focused on two main areas, repair of metal structures using composite patches and repair of composite structures using composite or metal patches. The work presented had direct application to the maintenance and support of military aircraft. Repair of military aircraft provides both a means to extend the useful life of the airframe beyond the original design life and a method to maintain military readiness by returning damaged aircraft to service. For individual titles, see N95-27505 through N95-27528.